

INTERNATIONAL SEARCH REPORT

10/522283

International No
PCT/IB/03/03286

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B05D5/08 B26B19/38 C09D183/08 B05D1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B05D B26B C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | DE 299 23 595 U (SILIT WERKE) 1 March 2001 (2001-03-01) abstract | 1,5 |
| Y | abstract | 2-4 |
| Y | WO 98 13434 A (PHILIPS ELECTRONICS NV ; PHILIPS NORDEN AB (SE)) 2 April 1998 (1998-04-02) cited in the application the whole document | 2-4 |
| X | PATENT ABSTRACTS OF JAPAN vol. 017, no. 475 (C-1103), 30 August 1993 (1993-08-30) & JP 05 116989 A (MURAKAMI KAIMEIDOU:KK; OTHERS: 01), 14 May 1993 (1993-05-14) abstract | 1,5 |
| | --- -/- | |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

7 January 2004

Date of mailing of the international search report

14/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Castagné, C

INTERNATIONAL SEARCH REPORT

Internationa lication No

PCT/IB 03/03286

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 6 273 348 B1 (KAWASHIMA KENICHI ET AL) 14 August 2001 (2001-08-14) the whole document --- | 1,5 |
| X | US 2001/053412 A1 (PETRMICHL RUDOLPH HUGO ET AL) 20 December 2001 (2001-12-20) the whole document --- | 1,5 |
| A | GB 1 393 488 A (DU PONT) 7 May 1975 (1975-05-07) the whole document --- | 1-5 |
| A | WO 98 40323 A (NIPPON SHEET GLASS CO LTD) 17 September 1998 (1998-09-17) abstract ----- | 1-5 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PCT/IB 03/03286

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| DE 29923595 | U | 01-03-2001 | DE 29923595 U1 | 01-03-2001 |
| WO 9813434 | A | 02-04-1998 | EP 0863954 A1 | 16-09-1998 |
| | | | WO 9813434 A1 | 02-04-1998 |
| | | | JP 2000501775 T | 15-02-2000 |
| | | | US 6015623 A | 18-01-2000 |
| JP 05116989 | A | 14-05-1993 | JP 2592018 B2 | 19-03-1997 |
| US 6273348 | B1 | 14-08-2001 | JP 11311168 A | 09-11-1999 |
| | | | DE 19919413 A1 | 04-11-1999 |
| | | | US 2001042801 A1 | 22-11-2001 |
| | | | US 2001032896 A1 | 25-10-2001 |
| US 2001053412 | A1 | 20-12-2001 | US 6280834 B1 | 28-08-2001 |
| | | | US 6312808 B1 | 06-11-2001 |
| | | | US 6335086 B1 | 01-01-2002 |
| | | | US 6338901 B1 | 15-01-2002 |
| | | | US 6261693 B1 | 17-07-2001 |
| | | | US 2002081378 A1 | 27-06-2002 |
| | | | US 6277480 B1 | 21-08-2001 |
| | | | US 6475573 B1 | 05-11-2002 |
| | | | US 6368664 B1 | 09-04-2002 |
| | | | US 2001028956 A1 | 11-10-2001 |
| | | | AU 7178801 A | 30-01-2002 |
| | | | WO 0206174 A1 | 24-01-2002 |
| | | | US 2002192371 A1 | 19-12-2002 |
| | | | US 2003021997 A1 | 30-01-2003 |
| | | | US 6447891 B1 | 10-09-2002 |
| | | | US 6461731 B1 | 08-10-2002 |
| | | | US 2001044030 A1 | 22-11-2001 |
| | | | AU 6519701 A | 11-12-2001 |
| | | | WO 0192178 A1 | 06-12-2001 |
| | | | US 2002028289 A1 | 07-03-2002 |
| | | | AU 1604301 A | 30-05-2001 |
| | | | BR 0015667 A | 23-07-2002 |
| | | | CA 2390256 A1 | 25-05-2001 |
| | | | EP 1248747 A2 | 16-10-2002 |
| | | | JP 2003514746 T | 22-04-2003 |
| | | | WO 0136342 A2 | 25-05-2001 |
| | | | US 2002155294 A1 | 24-10-2002 |
| | | | US 2003064198 A1 | 03-04-2003 |
| | | | US 6273488 B1 | 14-08-2001 |
| | | | US 6284377 B1 | 04-09-2001 |
| | | | US 2001035662 A1 | 01-11-2001 |
| | | | US 2001051273 A1 | 13-12-2001 |
| | | | US 2002001718 A1 | 03-01-2002 |
| | | | US 2002009593 A1 | 24-01-2002 |
| | | | AT 236860 T | 15-04-2003 |
| | | | AU 4811300 A | 17-11-2000 |
| | | | BR 0008391 A | 29-01-2002 |
| | | | CA 2368471 A1 | 09-11-2000 |
| | | | CZ 20013760 A3 | 15-05-2002 |
| | | | DE 60002060 D1 | 15-05-2003 |
| | | | DE 60002060 T2 | 06-11-2003 |
| | | | EP 1177156 A1 | 06-02-2002 |
| | | | EP 1338576 A1 | 27-08-2003 |
| | | | HU 0200949 A2 | 29-07-2002 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation No

PCT/IB 03/03286

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 2001053412 | A1 | JP 2002543035 T | 17-12-2002 |
| | | WO 0066506 A1 | 09-11-2000 |
| | | US 2001014398 A1 | 16-08-2001 |
| | | US 2002012798 A1 | 31-01-2002 |
| GB 1393488 | A 07-05-1975 | AT 323857 B | 11-08-1975 |
| | | AU 6027473 A | 13-03-1975 |
| | | BE 804860 A1 | 02-01-1974 |
| | | CA 980349 A1 | 23-12-1975 |
| | | DE 2346419 A1 | 21-03-1974 |
| | | DE 2366537 A1 | 07-10-1982 |
| | | FR 2200275 A1 | 19-04-1974 |
| | | IT 998616 B | 20-02-1976 |
| | | JP 1266604 C | 27-05-1985 |
| | | JP 49075561 A | 20-07-1974 |
| | | JP 59044320 B | 29-10-1984 |
| | | JP 1387310 C | 14-07-1987 |
| | | JP 58010591 A | 21-01-1983 |
| | | JP 61054800 B | 25-11-1986 |
| | | JP 1221786 C | 26-07-1984 |
| | | JP 58008766 A | 18-01-1983 |
| | | JP 58056588 B | 15-12-1983 |
| | | NL 7312711 A ,B, | 19-03-1974 |
| | | US 4051161 A | 27-09-1977 |
| | | ZA 7307311 A | 25-09-1974 |
| WO 9840323 | A 17-09-1998 | AU 736054 B2 | 26-07-2001 |
| | | AU 6309498 A | 29-09-1998 |
| | | BR 9808315 A | 16-05-2000 |
| | | DE 69802072 D1 | 22-11-2001 |
| | | DE 69802072 T2 | 14-03-2002 |
| | | EP 0966410 A1 | 29-12-1999 |
| | | ES 2166148 T3 | 01-04-2002 |
| | | WO 9840323 A1 | 17-09-1998 |
| | | JP 2001503100 T | 06-03-2001 |
| | | US 6482524 B1 | 19-11-2002 |
| | | US 2003021902 A1 | 30-01-2003 |